

(Sri Basavalingappa)

joints. After examination, the hon. Members who visited the place, including Mr. Ullal made a personal experiment of peeling off of some of the cement. He was unable to peel off even the chip and then he said 'Why are you testing him?' 'Things are being done well. I am satisfied. I am sorry; had I come along with the other Members, I would not have made that statement'. Hon. Member Sri T. R. Shamanna has given a testimony of his own and I do not want to add to what he has stated. Mr. Krishnan has raised certain doubts regarding the cementing of the exterior and the cement lining inside the pipe and the welding of the pipes at the joints and within the internal diameter. Mr. Krishnan has stated that this should be referred to the Vigilance Commissioner. As Mr. Deve Gowda has said, I am not an Engineer like Mr. Krishnan, nor can I go personally and test these things myself. I will read out certain things as to how this cement is being applied, how the pipes are being manufactured and how they are laid. These are some of the technical aspects of the matter and I crave the indulgence of the House. I hope that not only my honourable friends are satisfied but persons outside this House also are satisfied about what is being done in the Water Supply and Sewerage Board.

Sub :—Cement Mortar Lining of pipes for Transmission Main.

Internal protection to steel pipes by providing the cement mortar lining has been in vogue for nearly a century at least in countries abroad and it has come to common usage even in our country. The only special feature as applicable to Cauvery Water Supply Project is that the size of the pipe involved is of a large diameter viz 48".

The thickness of lining for the transmission main viz., 25 mm has been arrived at as a result of careful study including a reference to International Standards and also field prototype investigations.

Each pipe lined by the Spinning machine is 25' in length. These pipes after they are laid in trenches are welded circumferentially to counter the possible damage to the lining inside the pipeline, while carrying out this field welding by heat transmission, care is taken to stop the lining about 2 inches short from the ends.

Once the pipes laid and circumferential joints are welded, this space of 4" between two consecutive pipes is lined by careful hand plastering for the same thickness and with the same proportion of mortar viz., 1 of Cement 2 of fine aggregate consisting of sand and crushed granite chips.

The curing of internal joints 25' apart is also very carefully carried out by inserting pre-fabricated frame for each joint with a small gap between the pipe and the top of the frame. This gap is well plugged by gunny and maintained wet by spraying of water. This process is meticulously carried out for a period of 14 days.

Thereafter these pipes are hydraulically tested in stretches of 200-300 metres and before and after the test every joint is individually inspected and then only the lining is passed.

It will therefore be seen that this lining work constitutes an almost integral part of the pipe for its full life time, including joints and there is no chance whatever of the material constituting the lining getting separated by the continuous flow of water. Finally, the service history of lining by Spun process adopted is an established process apart from its being reliable, workable and a safe proposition for the function expected".

The quality is maintained to the topmost standard. Each pipe is tested in detail before laying. The jointed pipe in the field are also tested for hydraulic efficiency. This being so, there is no chance of water to percolate from top or corrode the pipes. The lining is done as per British standard specifications. The Technical Adviser to the Government of India, Ministry of Health who has seen this has expressed satisfaction about the quality of the job. The lining is decided in the field by pressures, even much above the working pressures and they have stood well without any cracks. Hence, the fears expressed by the hon. Member is not founded well.

Sir, I am thankful to the Hon'ble Member Sri M. S. Krishnan for one thing. But for such observations and but for such guide lines, I do not think the executive would work well. I am grateful to him. If all these defects pointed by Sri Krishnan were patently present in this venture, I think it is not worth while continuing this project at all. I may tell my Learned friend that all these things are well taken care of and they are kept in view and they are meticulously avoided. As I have already said about the entire venture, I think I am satisfied that the work that is being done is up to the specifications and accepted standards. And in order that my learned friend may feel assured once again in regard to this work, I have no objections even to take him with me and all those who are interested, along with my officers and any technicians whom they want. We may once again go and inspect the works and satisfy ourselves about it. I am one with you in safeguarding public interest and in seeing that the public money is spent so as to bring to the people of the State the desired benefits.

SRI M.S. KRISHNAN.—You know that one Junior Engineer recently died when he was inspecting the trenches dugging the City. Was it according to specifications and who is responsible for that? Is it not the Bangalore Water and Sewerage Board?

ಶ್ರೀ ಎಚ್. ಡಿ. ದೇವೇಗೌಡ.—ನಾವು ನೀವು ಹೋಗೋಣ. ನಮ್ಮ ಜೊತೆಯಲ್ಲಿ ಶಾಮಣ್ಣನವರ ಬರಲಿ. ತಾವು ಈ ಸಭೆಯಲ್ಲಿ ಏನು ಸವಾಲು ಹಾಕಿದ್ದೀರಿ ; ಅಲ್ಲಿ ಸಬ್‌ಸ್ಟ್ಯಾಂಡರ್ಡ್ ವರ್ಕ್ ಇಲ್ಲವೆಂದು ಏನು ಹೇಳಿದ್ದೀರಿ ಅದನ್ನು ಅಲ್ಲಿ ತೋರಿಸಿಕೊಡುತ್ತೇನೆ. ಅದನ್ನು ತೋರಿಸಿ ಕೊಟ್ಟ ಪಕ್ಷದಲ್ಲಿ ಮಾನ್ಯ ಮಂತ್ರಿಗಳು ಇದರ ಬಗ್ಗೆ ಜುಡೀಷಿಯಲ್ ಪ್ರೋಬ್ ಮಾಡಿಸುವುದಕ್ಕೆ ಒಪ್ಪಿಕೊಳ್ಳುತ್ತೀರಾ ? ಇಲ್ಲದೆ ಹೋದರೆ ಈ ಹಾಸಿಗೆ ನಾನು ಕ್ಷಮಾಪಣೆ ಕೇಳುತ್ತೇನೆ

SRI B. BASAVALINGAPPA.—Sir, as I submitted earlier, I am not interested in protecting wrong things or in perpetuating substandard work. Much less I am interested in the word defrauding the public. I do not know whether he knows the meaning of word 'defrauding'.

SRI M. S. KRISANA.—I know sufficient English, if not as much as you.

SRI B. BASAVALINGAPPA —'fraud' in legal phraseology, if wrongful gain, to have something wrongfully depriving others. I do not think Government is interested in wrongfully depriving the public of what is their legitimate due in return for this huge expenditure, much less my learned friend Sri M. S. Krishnan. I am not interested. I want also to make one thing very clear on the floor of this House. I am not interested in protecting A B or C or officers who are working in the organisation. We came to power on 23rd March 1972.

SRI K. PUTTASWAMY.—May I know whether there is any arrangement for quality control independently of the authority in charge of the execution and if so, what is its report ?

SRI B. BASAVALINGAPPA.—As I submitted, there has been an independent quality control organisation in our Board independent of the officers working on the spot. This organisation will test the work that is being done. I do not think there is legitimate ground for any fear or apprehension to be entertained by the Hon'ble Members of this House. I said there is an independent organisation to supervise the work that is being executed by the Executive Officers of the Board.

SRI K. PUTTASWAMY.—My question was whether there is any arrangement for quality control and if so, whether they are in charge of quality control work as an independent authority in charge of execution ?

SRI B. BASAVALINGAPPA.—There is a quality control organisationⁿ in our Board independent of this. They are supervising,

SRI M.S. KRISHNAN.—It is part of the Board. It is not independent

SRI B. BASAVALINGA.—So, the apprehensions of my learned Friend Sri M. S. Krishna that the citizens of Bangalore will perhaps have to drink water polluted with particles of cement dust and sand is far from truth and has no basis. Therefore, I am satisfied.

I thank my Learned Friend and every one else who has spoken on this once again. I have no objection to take the Hon'ble Members again to the work spot with technicians, I have already taken friends and all the friends have been satisfied. Had Mr. H. D. Deve Gowda and Mr. M. S. Krishna accompanied me on that occasion, I would have arrangements to take with me technicians, had they made me to understand that they wanted to have such an arrangement. Even now it is not too late. We can go at any time. As I submitted earlier, I want to see that the public funds are utilised well and for the purpose for which they are meant; and after the completion of the project, the people of Bangalore City should enjoy the fruits of this project; they must also drink fresh water with every safety. With these few words, I conclude.

ಶ್ರೀ ಎಚ್. ಎನ್. ನಂಜೇಗೌಡ.—ನಾನು ಕ್ಲಾರಿಫೈ ಮಾಡುತ್ತೇನೆ. ಈಗೊತ್ತು ವಿರೋಧಪಕ್ಷದ ನಾಯಕರು ಏನು ಹೇಳುತ್ತಿದ್ದಾರೆ ಅದಕ್ಕೆ ನಾಳೆ ದಿವಸ ಪತ್ರಿಕೆಯಲ್ಲಿ ದಪ್ಪ ಅಕ್ಷರದಲ್ಲಿ ಬರುತ್ತದೆ. ಅದರಲ್ಲಿ ಕಾಂಕ್ರೀಟ್ ಸಬ್‌ಸ್ಟಾಂಡರ್ಡ್ ವರ್ಕ್ ತೋರಿಸಿದರೆ ಜ್ಯೂಡೀಯಲ್ ಏನ್‌ಕ್ವೆಸ್ಟಿರಿ ಮಾಡುತ್ತೀರಾ ಎಂದೂ ಕೇಳುತ್ತಾರೆ? From what little I know I can tell you ಅದರಲ್ಲಿ ಸಬ್‌ಸ್ಟಾಂಡರ್ಡ್ ವರ್ಕ್ ಇಲ್ಲ ಎಂದು ಖಚಿತವಾಗಿ ಹೇಳುತ್ತೇನೆ. ಕೆಲವು ಕಡೆ ೧೨೦ ಪರ್ಸೆಂಟ್ ಸ್ಪ್ರಿಂಕ್ ಇರುವುದರಿಂದ ಓವರ್ ಸ್ಪ್ರಿಂಕ್ ಆಗಿ ಇರಬಹುದು, ಕೆಲವು ಕಡೆ ೧೨೨ ಪರ್ಸೆಂಟ್ ಇರಬಹುದು. ಸ್ಪೆಸಿಫಿಕೇಷನ್‌ಗಿಂತಲೂ ಸ್ಟಾಂಡರ್ಡ್ ಜಾಸ್ತಿ ಇದ್ದರೆ ನೀವು ಅಪಾಲಿಜಿ ಕೇಳುತ್ತೀರಾ ?

ಶ್ರೀ ಎಚ್. ಡಿ. ದೇವೇಗೌಡ.—ಅಲ್ಲ ಸಬ್‌ಸ್ಟಾಂಡರ್ಡ್ ವರ್ಕ್‌ನ್ನು ತೋರಿಸಿದ ಪಕ್ಷದಲ್ಲಿ ಎನ್‌ಕ್ವೆಸ್ಟಿರಿ ಮಾಡಿಸುತ್ತೀರಾ ಎಂದೂ ಕೇಳುತ್ತೇನೆ.

SRI B. BASAVALINGAPPA—I have said that the Work is done according to specification.

ಶ್ರೀ ಎಚ್. ಡಿ. ದೇವೇಗೌಡ.—ಅದರಲ್ಲಿ ಸಬ್ ಸ್ಟಾಂಡರ್ಡ್ ವರ್ಕ್ ಇದ್ದ ಪಕ್ಷದಲ್ಲಿ ಅದನ್ನು ತೋರಿಸಿದರೆ ನೀವು ಜ್ಯೂಡೀಯಲ್ ಪ್ರೋಬ್ ಮಾಡಿಸುತ್ತೀರಾ ?

SRI B. BASAVALINGAPPA,—I have held out a promise to the Hon'ble Members that if they want, we will visit the spot once again, I can take them again,

SRI D. DEVARAJ URS (Chief Minister).—Let us not worry with the specification, We are not technical people. If it is found defective, we will take proper action,

MR. DEPUTY SPEAKER.—The House will now rise and meet at 1-00P.M. tomorrow.

The House Adjourned at Twenty Minut past Six of the Clock to meet again at one of the clock Friday the 4th August 1972.